

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031088.D
 Acq On : 03 Sep 2022 17:27
 Operator : JC/MD
 Sample : N4357-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20220823

Quant Time: Sep 06 00:14:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

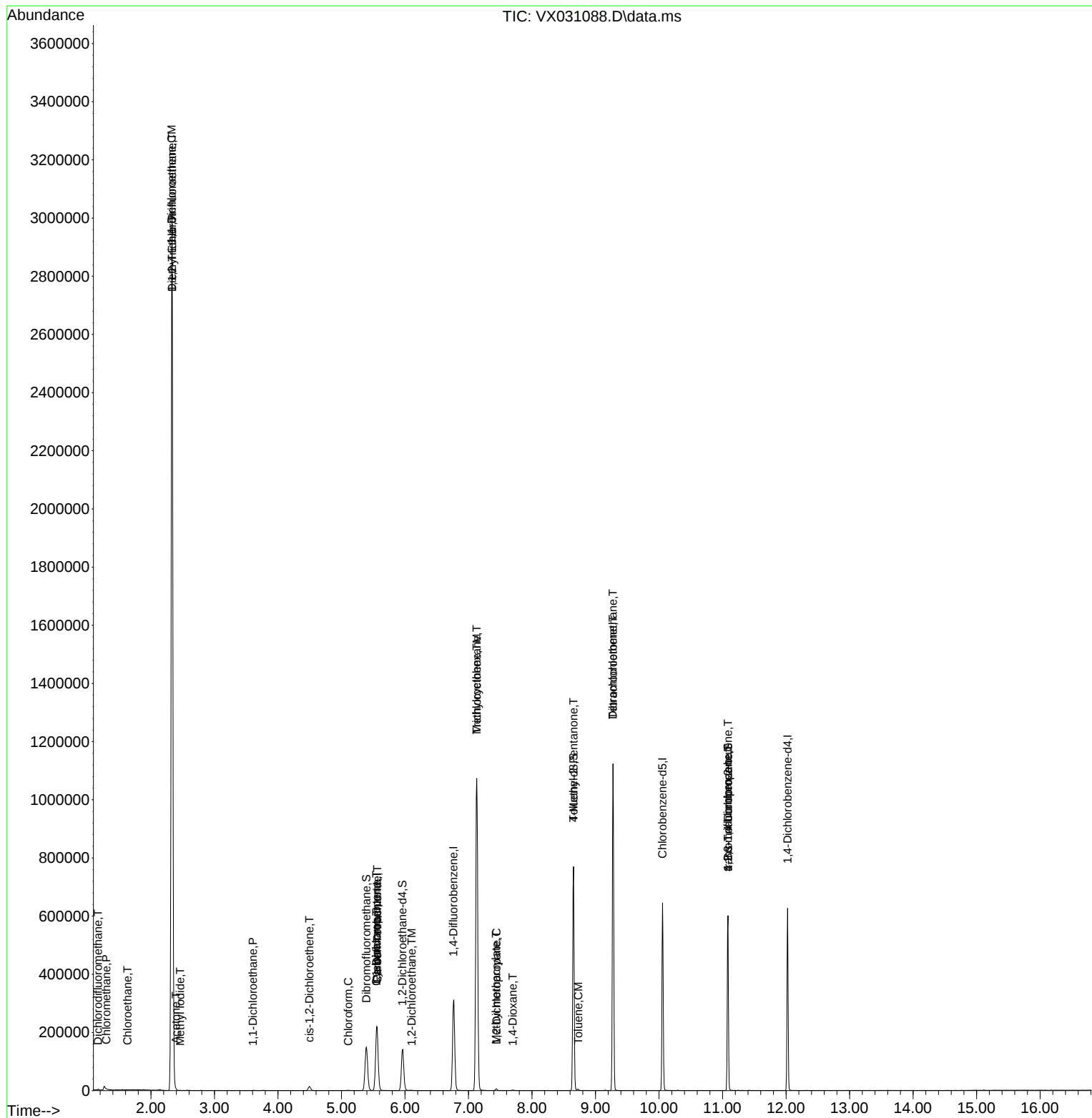
Internal Standards						
1) Pentafluorobenzene	5.556	168	220681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	347280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141467	49.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.640%
35) Dibromofluoromethane	5.391	113	134541	53.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.180%
50) Toluene-d8	8.653	98	479077	51.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.720%
62) 4-Bromofluorobenzene	11.085	95	162507	49.329	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.660%
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.166	85	788	0.347	ug/l	89
3) Chloromethane	1.294	50	740	1.037	ug/l #	42
6) Chloroethane	1.630	64	277	1.893	ug/l #	61
8) Diethyl Ether	2.331	74	754	0.539	ug/l #	18
9) 1,1,2-Trichlorotrifluo...	2.331	101	1203028	453.150	ug/l	91
10) Methyl Iodide	2.459	142	600	3.129	ug/l #	82
11) Tert butyl alcohol	2.947	59	80	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	8804	3.434	ug/l	80
16) Acetone	2.392	43	922	0.841	ug/l	89
20) Methylene Chloride	2.794	84	463	Below Cal	#	76
24) 1,1-Dichloroethane	3.605	63	1226	0.265	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	9506	2.973	ug/l	85
30) Chloroform	5.105	83	1423	0.281	ug/l #	81
31) Cyclohexane	5.550	56	3619	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14153	3.987	ug/l #	50
38) Carbon Tetrachloride	5.562	117	21188	5.750	ug/l #	20
39) Methylcyclohexane	7.129	83	4734	1.076	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	1194	0.355	ug/l	78
44) Trichloroethene	7.129	130	452481	140.266	ug/l	97
45) 1,2-Dichloropropane	7.440	63	2653	1.016	ug/l	95
48) Methyl methacrylate	7.434	41	1168	0.480	ug/l #	24
49) 1,4-Dioxane	7.696	88	2002	27.047	ug/l #	87
51) 4-Methyl-2-Pentanone	8.653	43	1796	0.580	ug/l #	1
52) Toluene	8.726	92	1675	0.253	ug/l	96
60) Dibromochloromethane	9.275	129	213525	73.184	ug/l #	11
64) Tetrachloroethene	9.275	164	224581	71.671	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	74252	22.943	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	74252	72.103	ug/l #	12

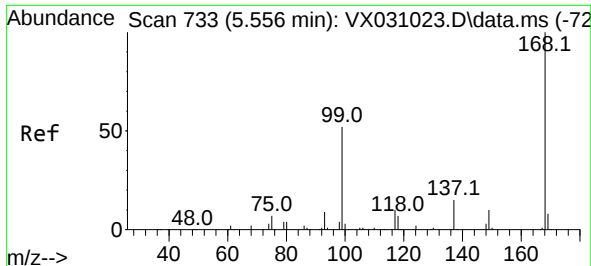
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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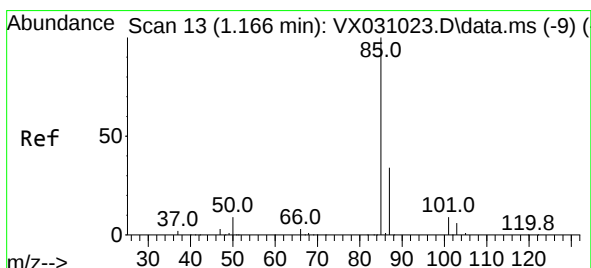
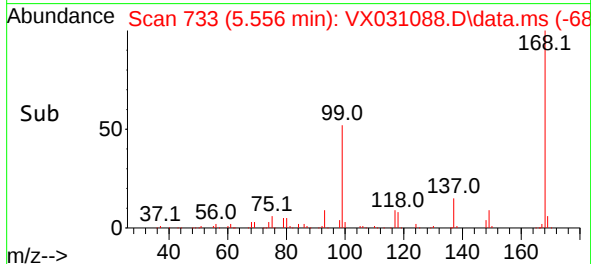
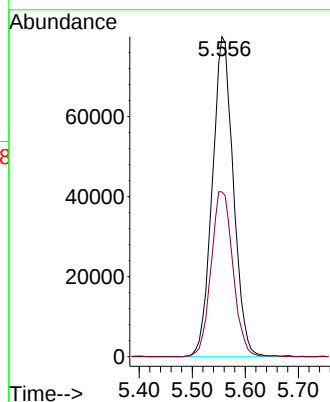
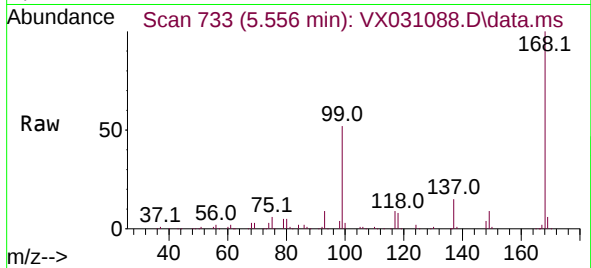




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

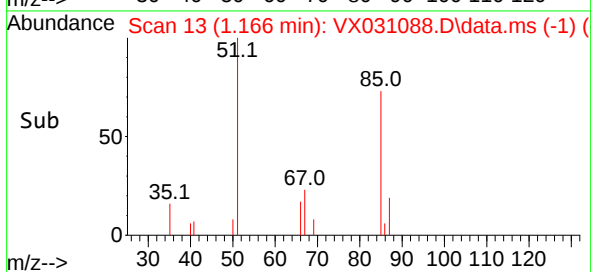
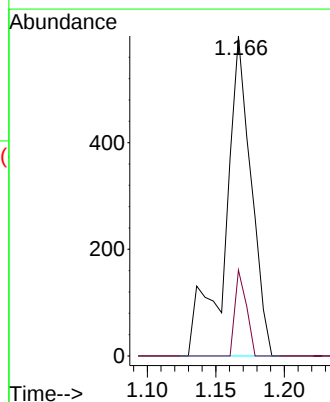
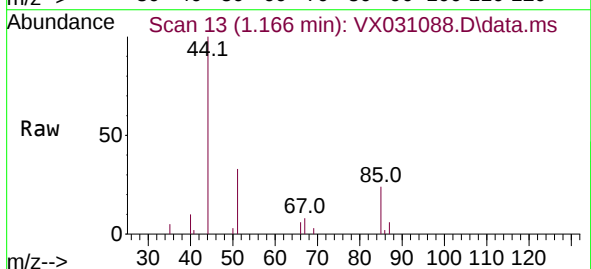
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

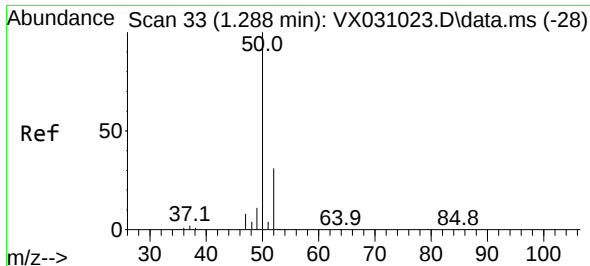
Tgt Ion:168 Resp: 220681
Ion Ratio Lower Upper
168 100
99 51.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.347 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 85 Resp: 788
Ion Ratio Lower Upper
85 100
87 26.8 16.5 49.5

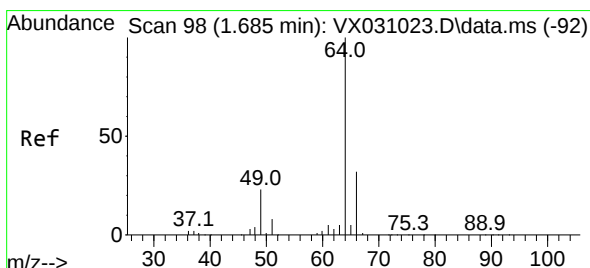
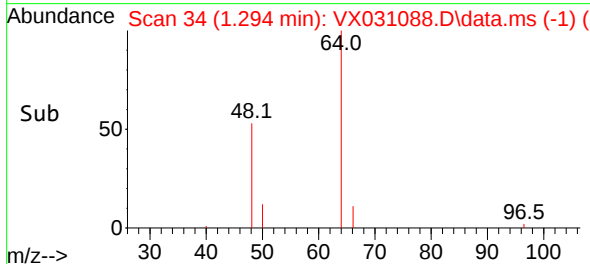
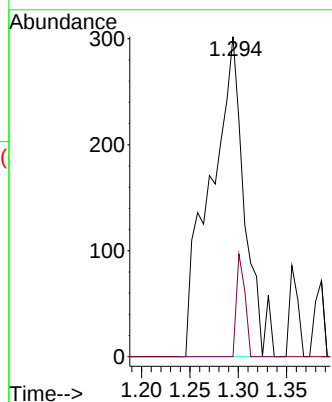
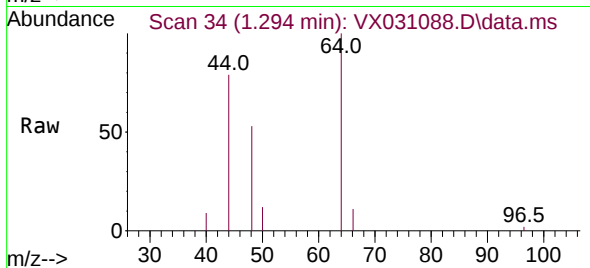




#3
Chloromethane
Concen: 1.037 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

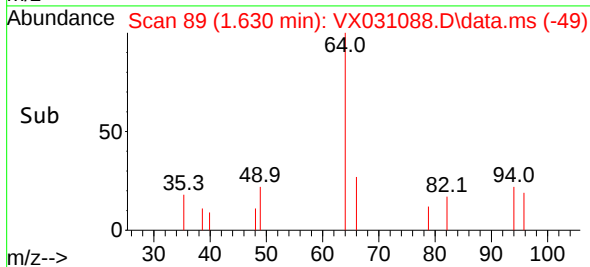
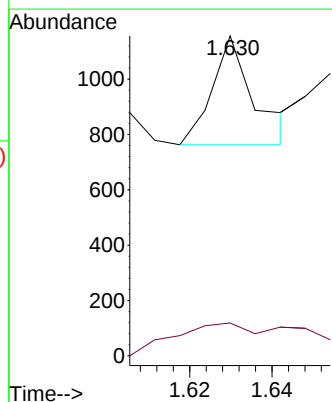
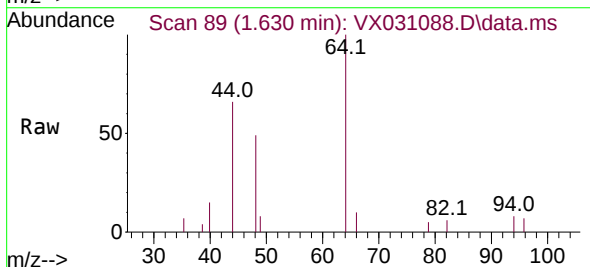
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

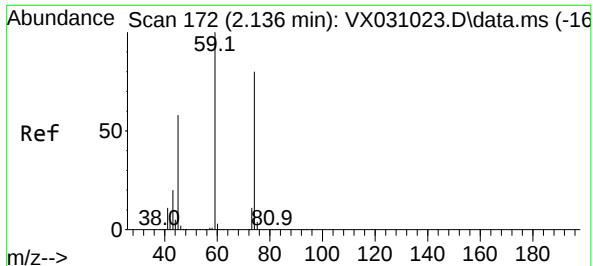
Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#6
Chloroethane
Concen: 1.893 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.055 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 11.7 27.2 40.8#

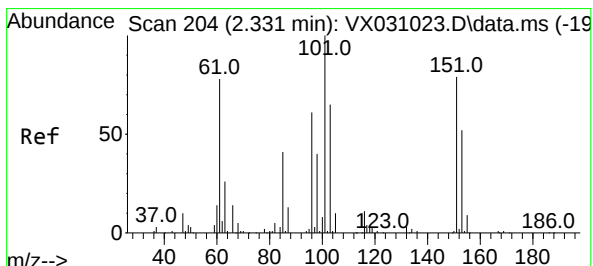
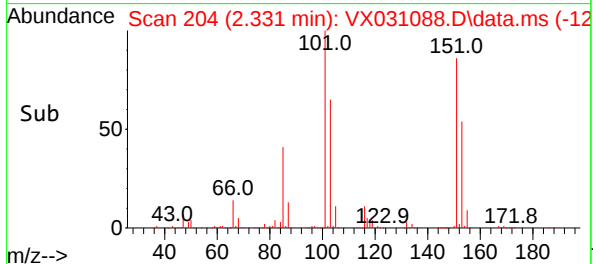
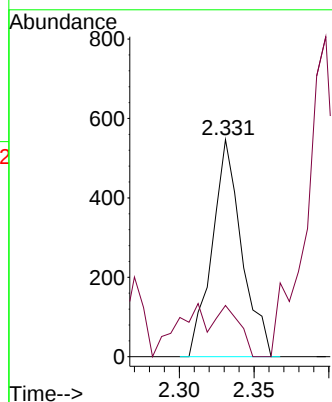
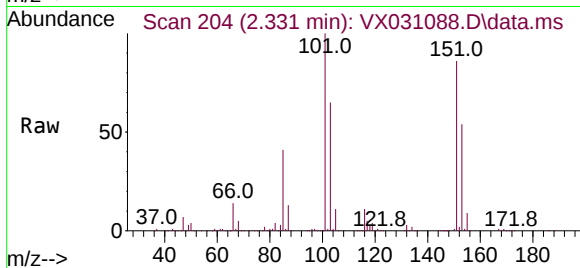




#8
Diethyl Ether
Concen: 0.539 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.195 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

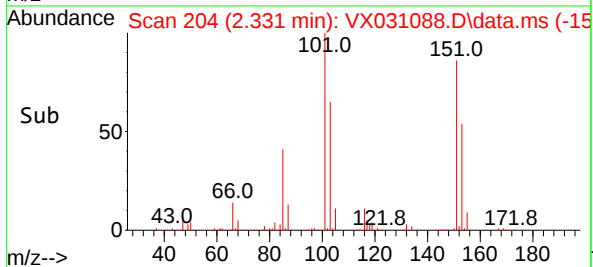
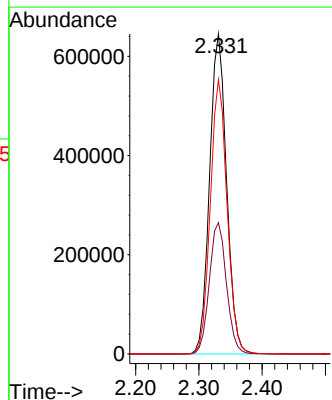
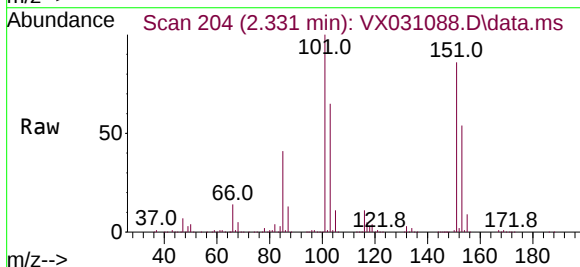
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

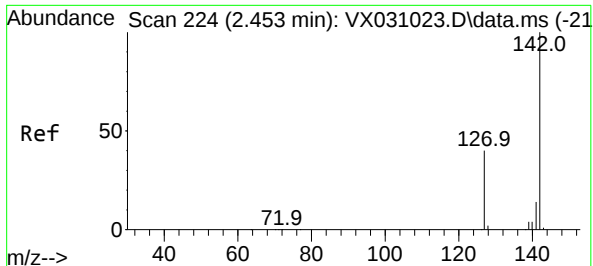
Tgt Ion: 74 Resp: 754
Ion Ratio Lower Upper
74 100
45 19.2 51.5 154.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 453.150 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

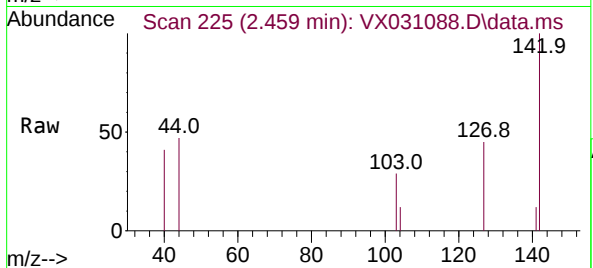
Tgt Ion: 101 Resp: 1203028
Ion Ratio Lower Upper
101 100
85 41.4 34.0 51.0
151 84.7 59.4 89.0



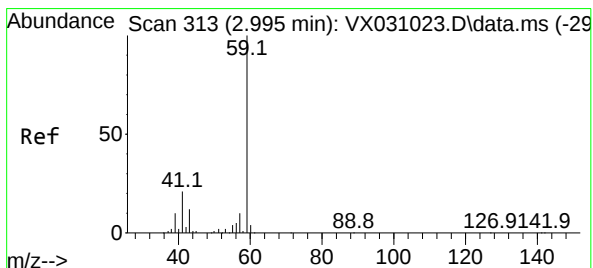
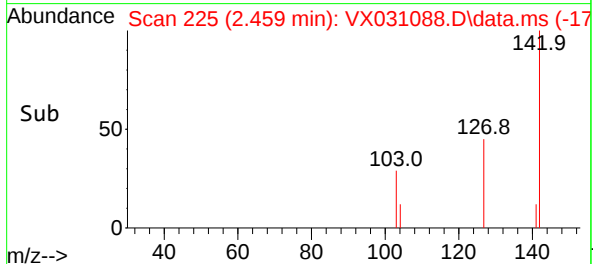
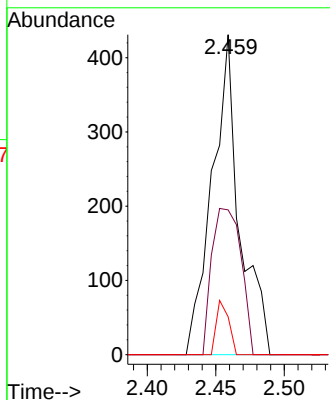


#10
Methyl Iodide
Concen: 3.129 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

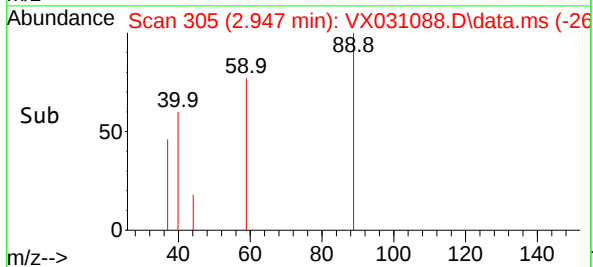
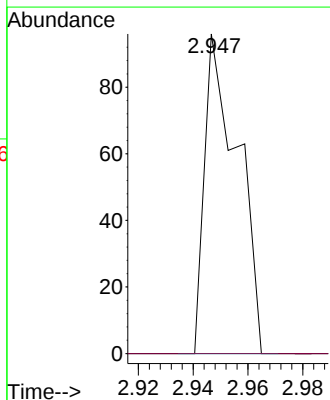
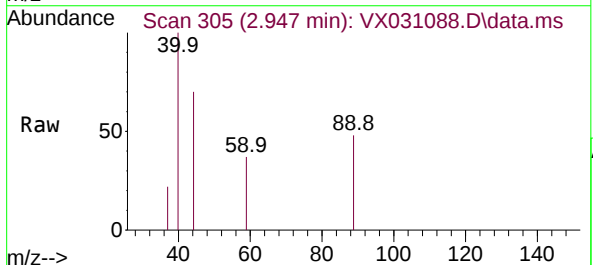


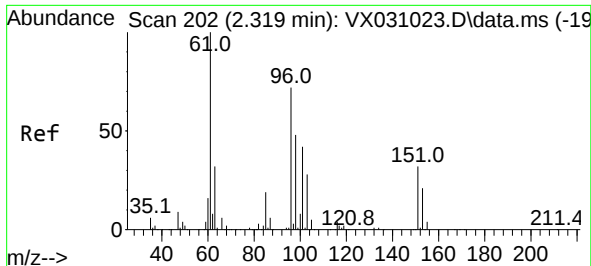
Tgt Ion:142 Resp: 600
Ion Ratio Lower Upper
142 100
127 48.8 30.2 45.2#
141 7.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 3.434 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX031088.D

Acq: 03 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

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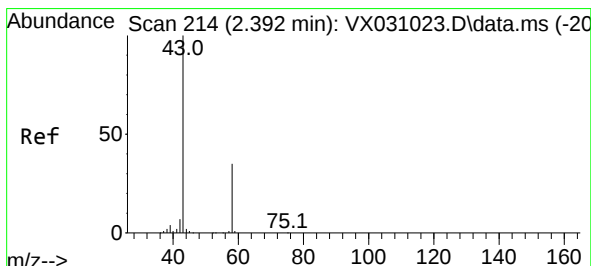
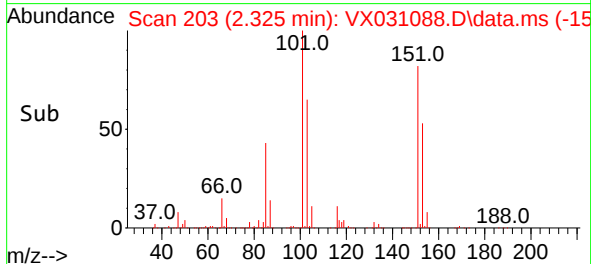
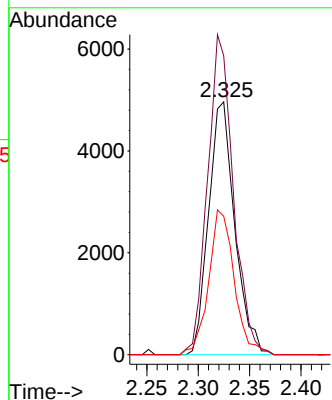
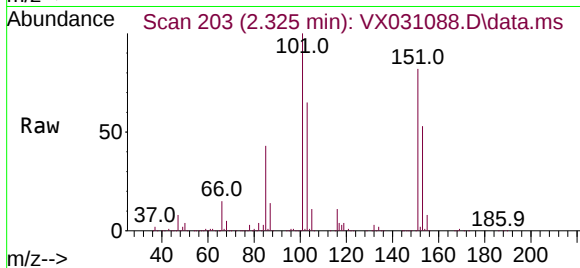
Tgt Ion: 96 Resp: 8804

Ion Ratio Lower Upper

96 100

61 118.2 117.4 176.0

98 54.7 52.2 78.4



#16

Acetone

Concen: 0.841 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031088.D

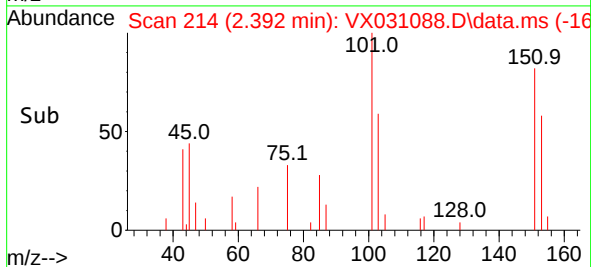
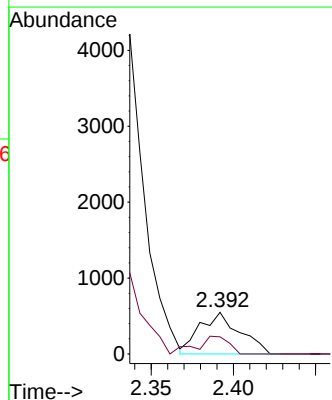
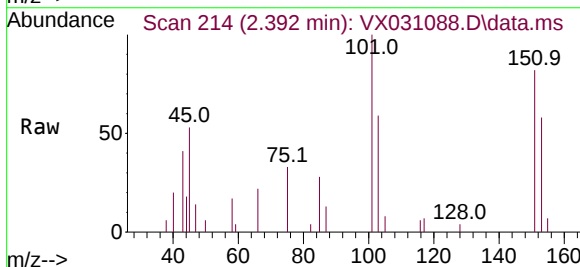
Acq: 03 Sep 2022 17:27

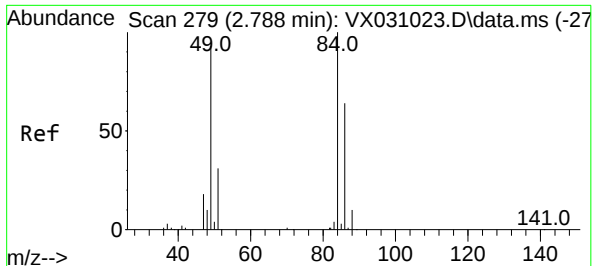
Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

58 41.2 27.7 41.5

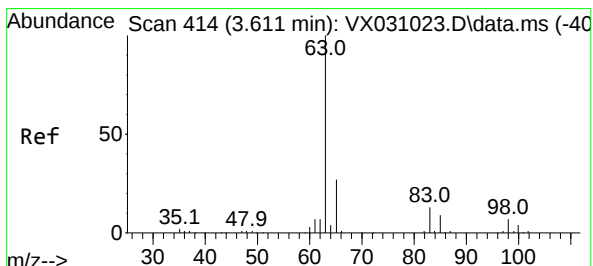
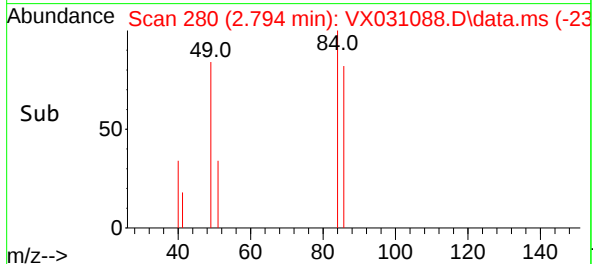
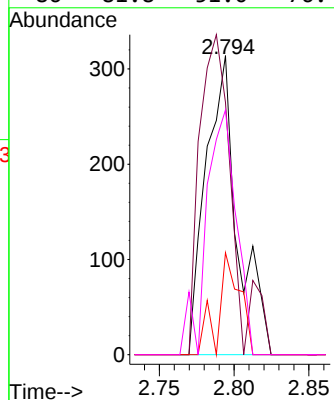
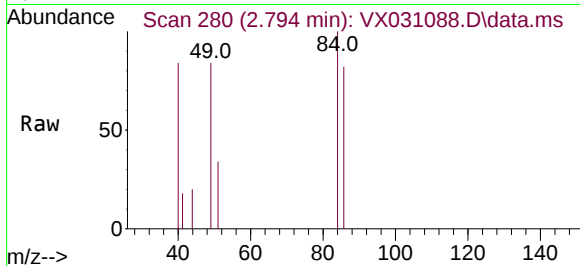




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

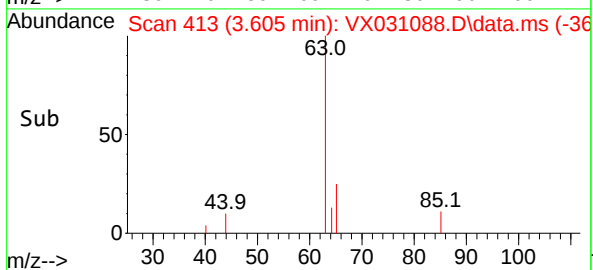
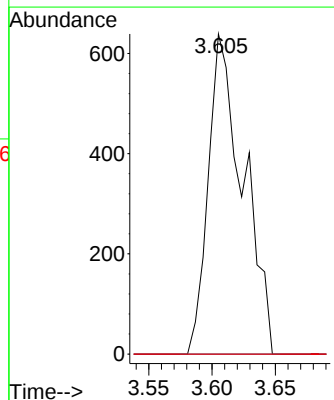
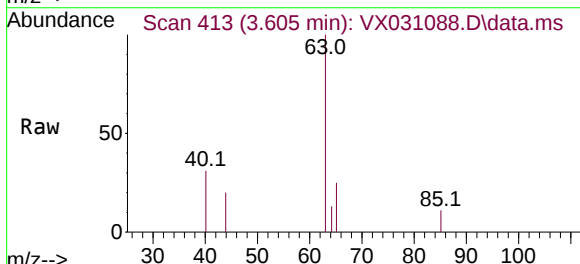
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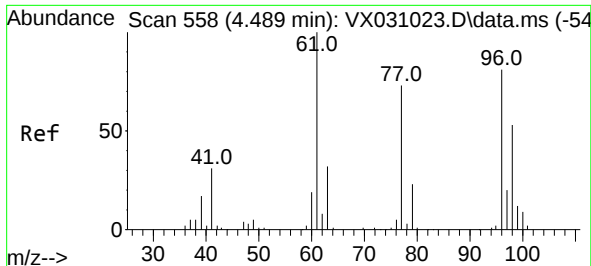
Tgt Ion: 84	Resp: 463
Ion Ratio	Lower Upper
84 100	
49 84.4	93.8 140.6#
51 34.1	29.4 44.0
86 81.8	51.0 76.4#



#24
1,1-Dichloroethane
Concen: 0.265 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 63	Resp: 1226
Ion Ratio	Lower Upper
63 100	
98 0.0	3.5 10.5#
100 0.0	2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 2.973 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031088.D

Acq: 03 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20220823

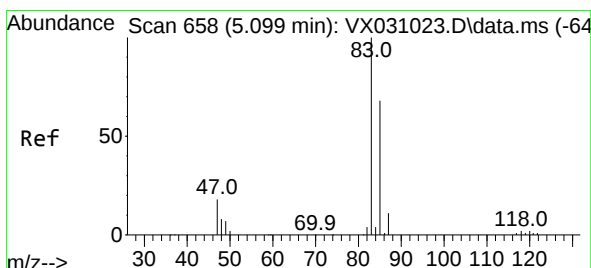
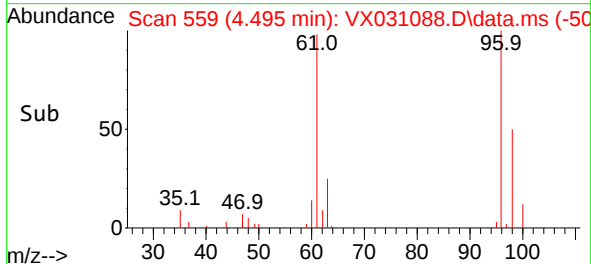
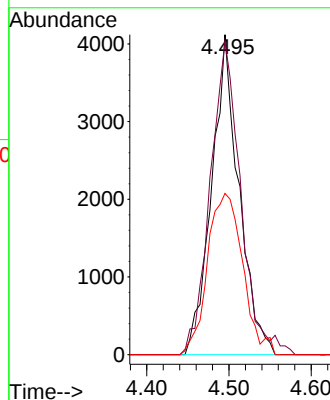
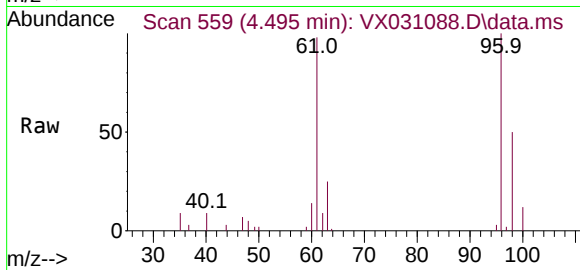
Tgt Ion: 96 Resp: 9506

Ion Ratio Lower Upper

96 100

61 109.1 0.0 270.0

98 65.0 0.0 127.8



#30

Chloroform

Concen: 0.281 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX031088.D

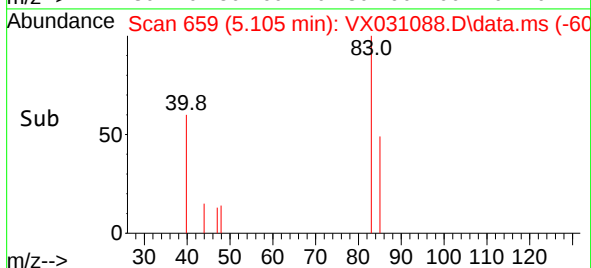
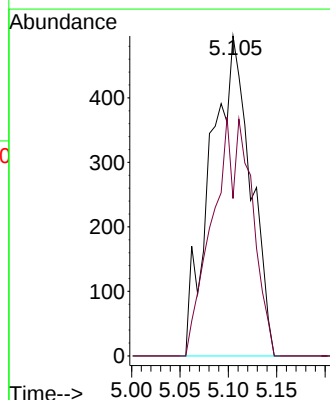
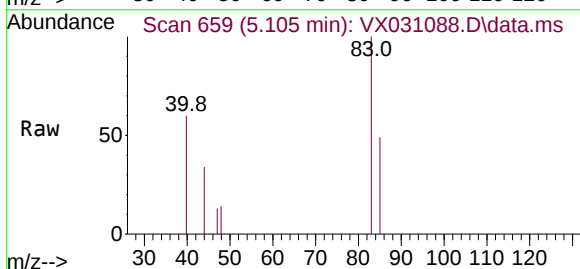
Acq: 03 Sep 2022 17:27

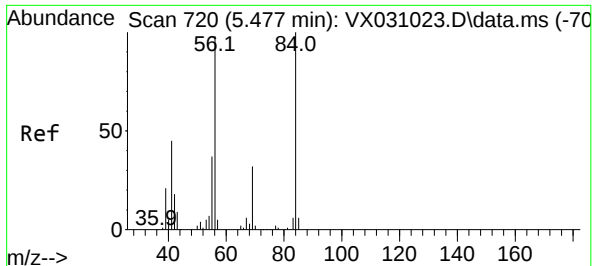
Tgt Ion: 83 Resp: 1423

Ion Ratio Lower Upper

83 100

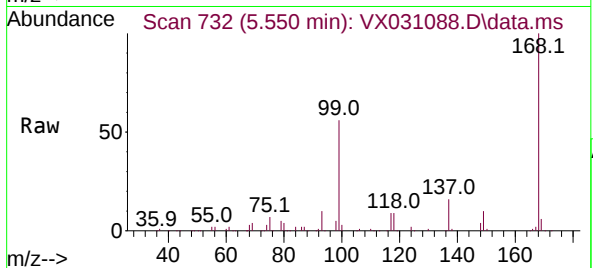
85 49.2 51.5 77.3#



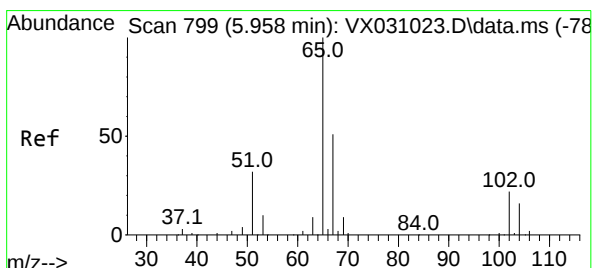
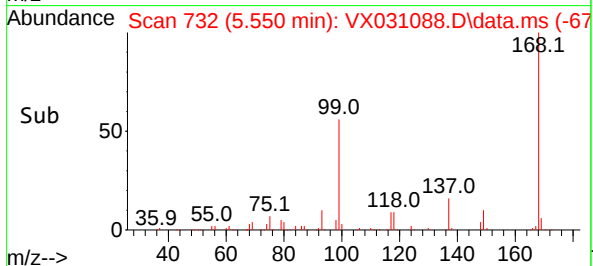
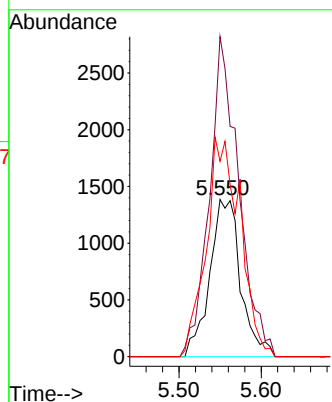


#31
Cyclohexane
Concen: 0.933 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

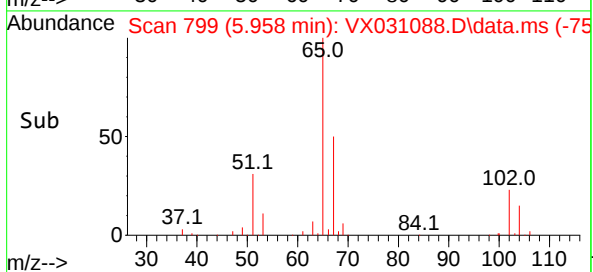
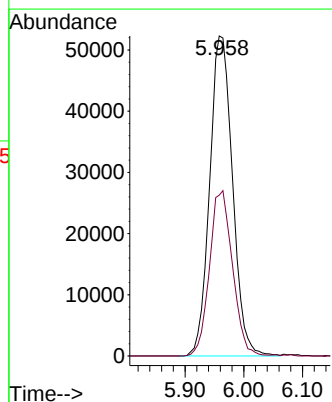
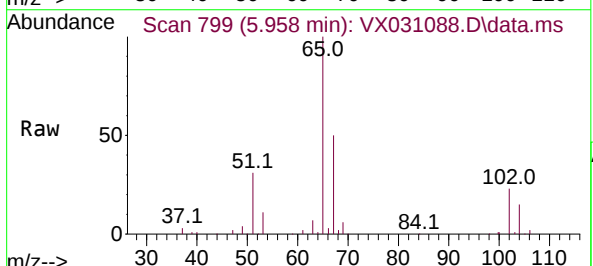


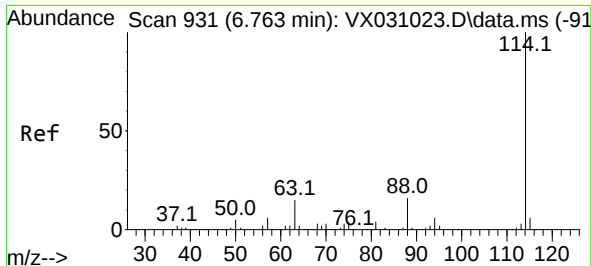
Tgt Ion: 56 Resp: 3619
Ion Ratio Lower Upper
56 100
69 203.8 25.4 38.0#
84 124.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.821 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 65 Resp: 141467
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6

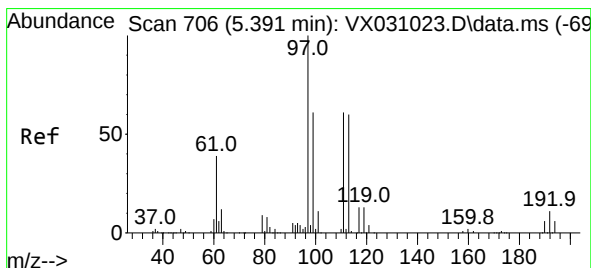
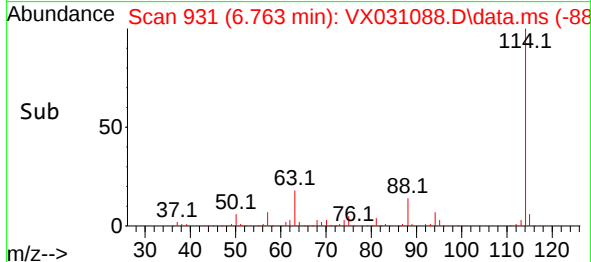
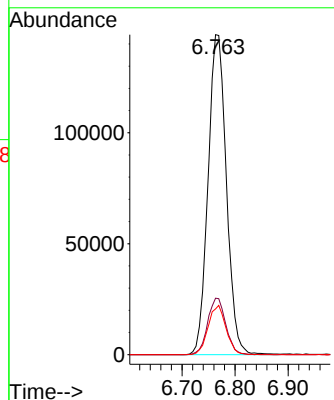
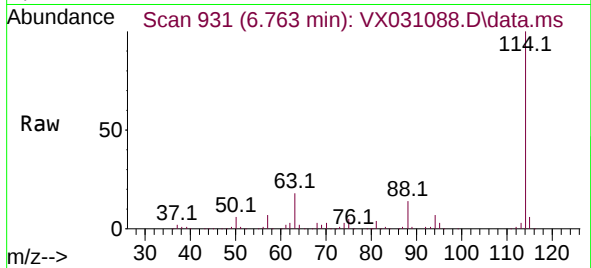




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

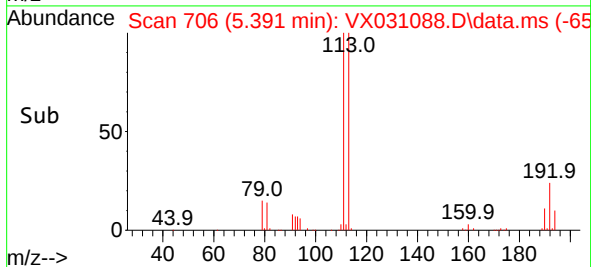
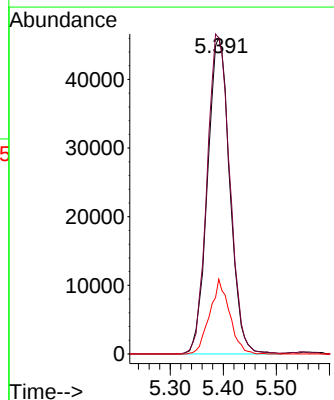
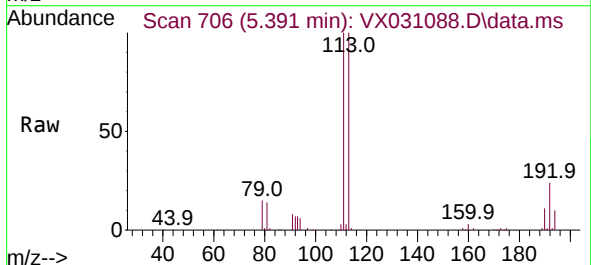
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

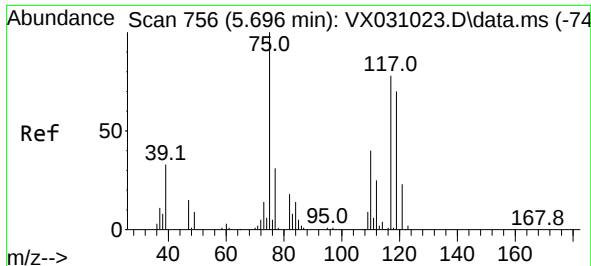
Tgt Ion:114 Resp: 347280
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.087 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion:113 Resp: 134541
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 21.0 14.8 22.2

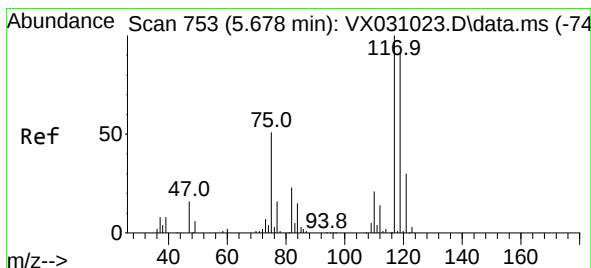
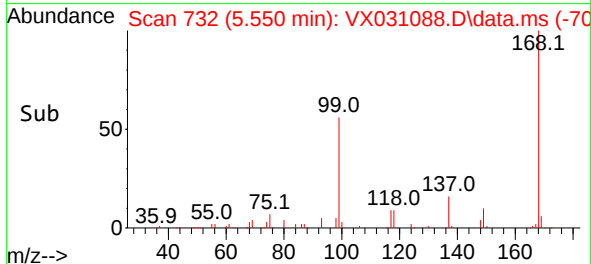
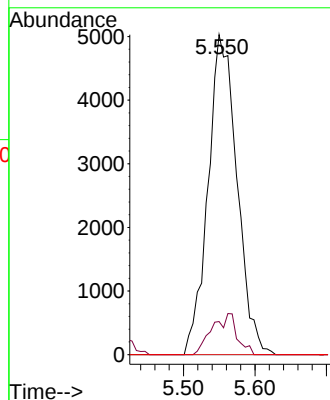
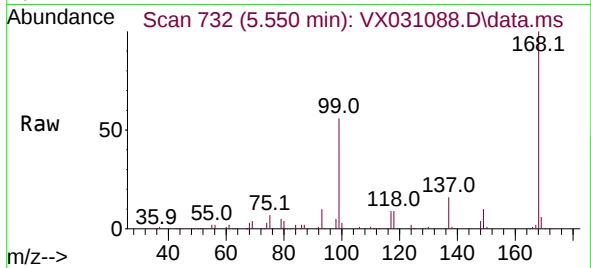




#36
1,1-Dichloropropene
Concen: 3.987 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

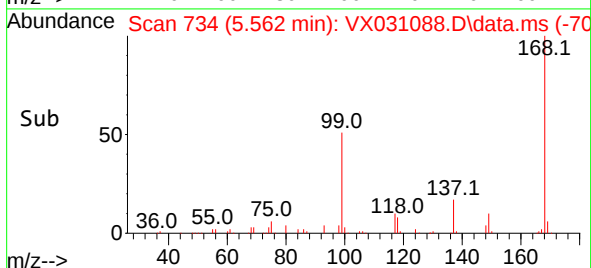
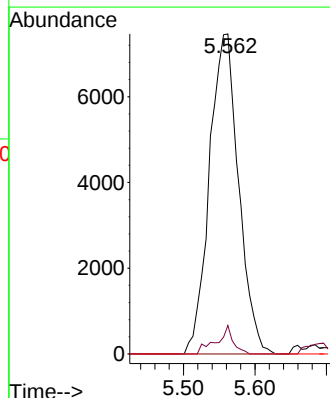
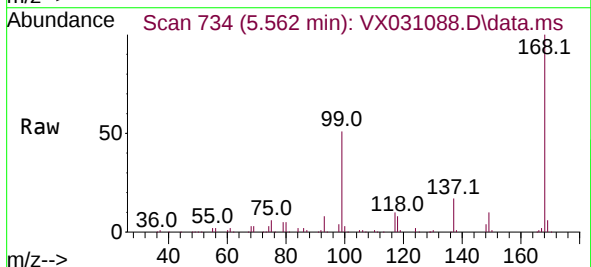
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

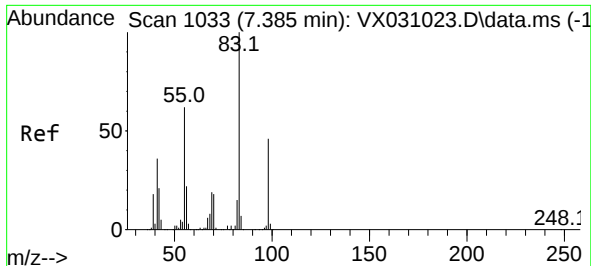
Tgt Ion: 75 Resp: 14153
Ion Ratio Lower Upper
75 100
110 11.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 117 Resp: 21188
Ion Ratio Lower Upper
117 100
119 8.9 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 1.076 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX031088.D

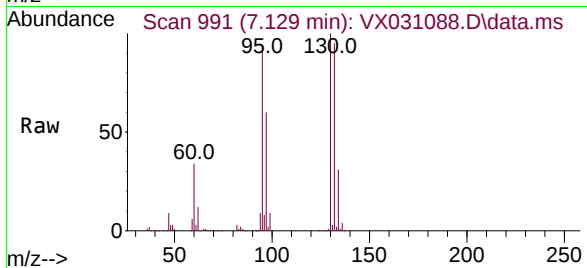
Acq: 03 Sep 2022 17:27

Instrument :

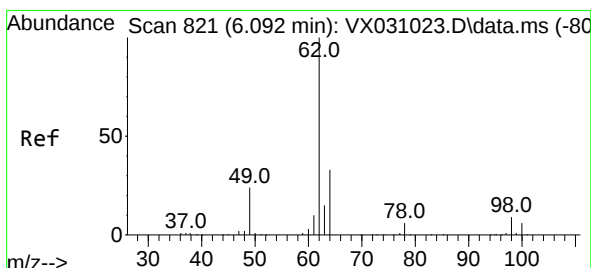
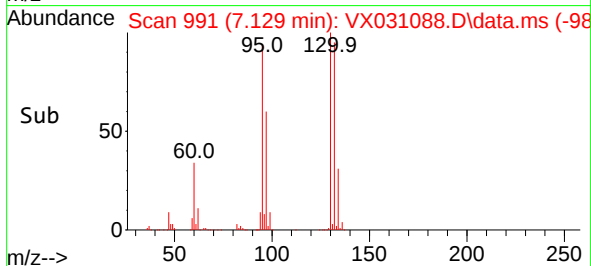
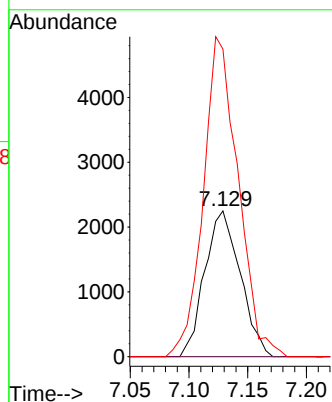
MSVOA_X

ClientSampleId :

RE134D3-20220823



Tgt Ion: 83	Resp: 4734
Ion Ratio	Lower Upper
83	100
55	0.0 57.7 86.5#
98	206.8 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 0.355 ug/l

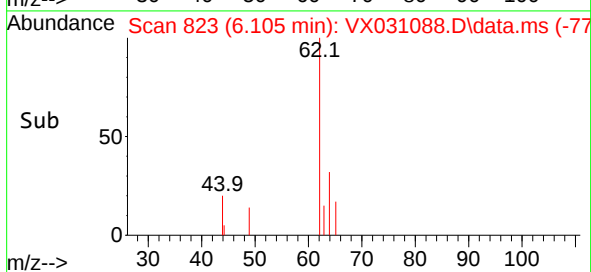
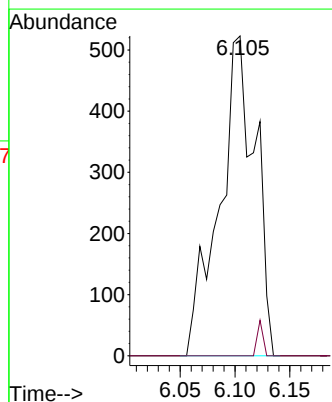
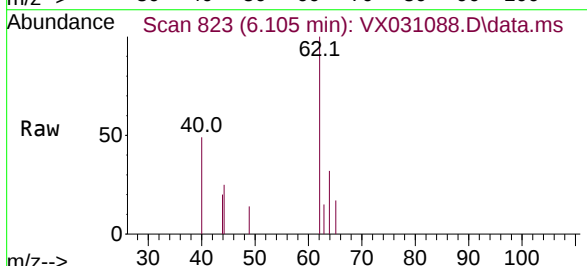
RT: 6.105 min Scan# 823

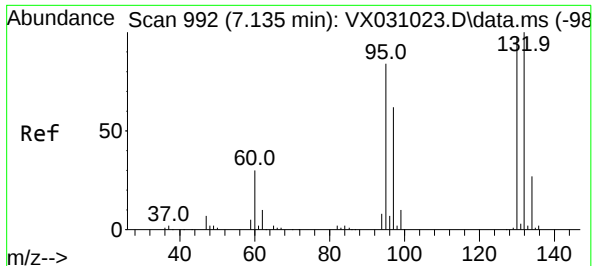
Delta R.T. 0.013 min

Lab File: VX031088.D

Acq: 03 Sep 2022 17:27

Tgt Ion: 62	Resp: 1194
Ion Ratio	Lower Upper
62	100
98	1.8 0.0 20.2

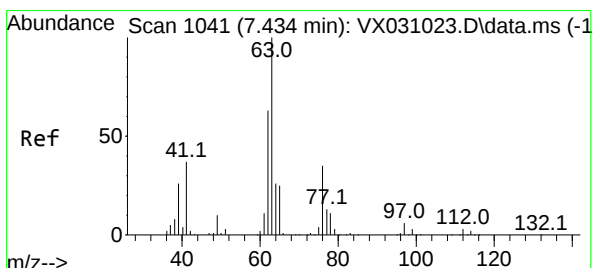
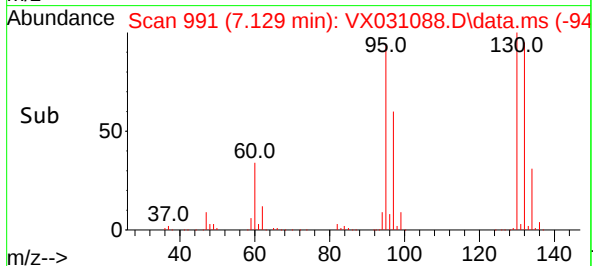
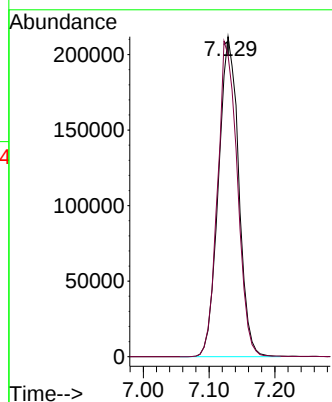
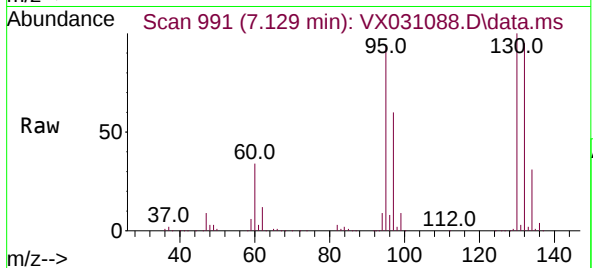




#44
Trichloroethene
Concen: 140.266 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

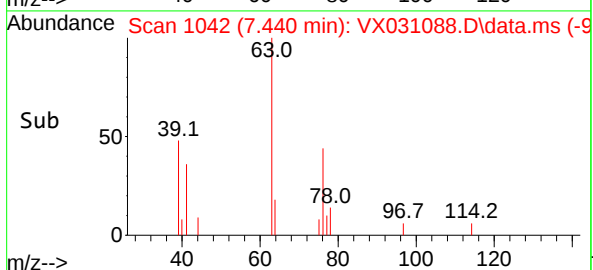
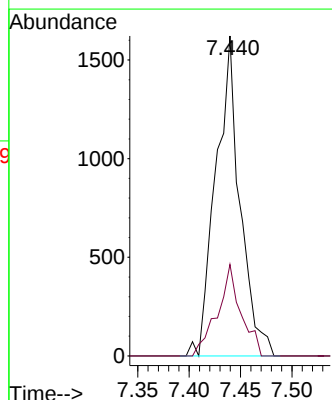
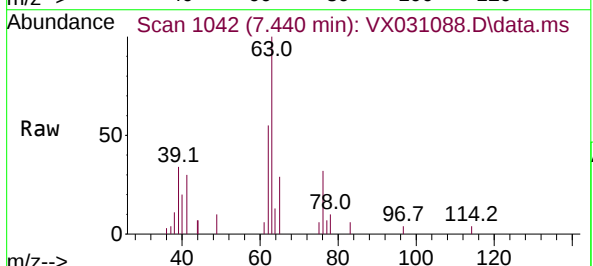
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

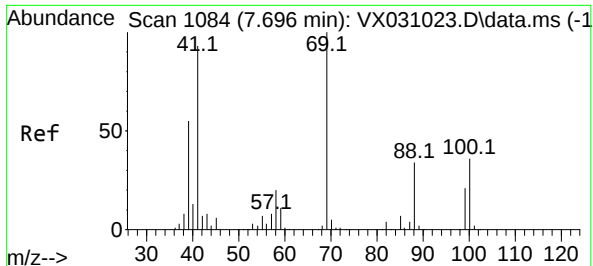
Tgt Ion:130 Resp: 452481
Ion Ratio Lower Upper
130 100
95 94.2 0.0 194.8



#45
1,2-Dichloropropane
Concen: 1.016 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 63 Resp: 2653
Ion Ratio Lower Upper
63 100
65 28.6 25.2 37.8

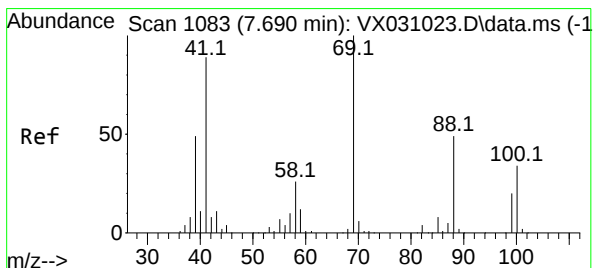
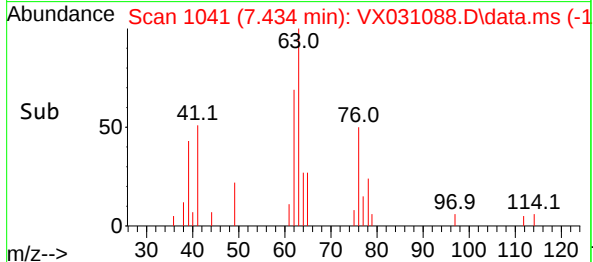
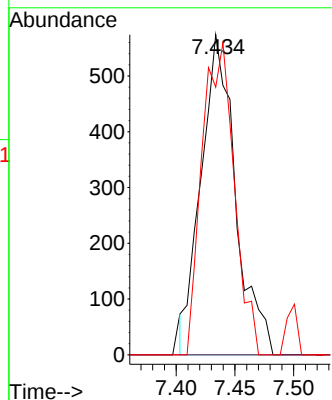
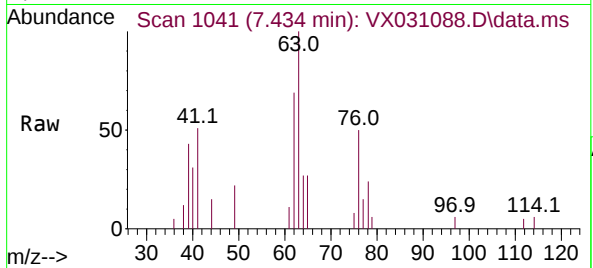




#48
Methyl methacrylate
Concen: 0.480 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.262 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

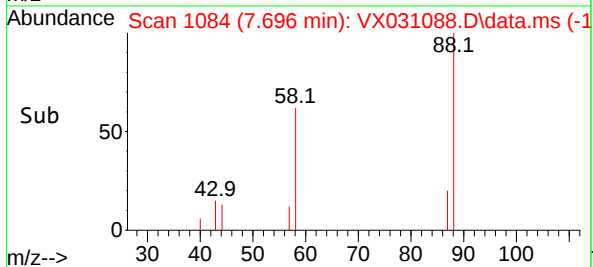
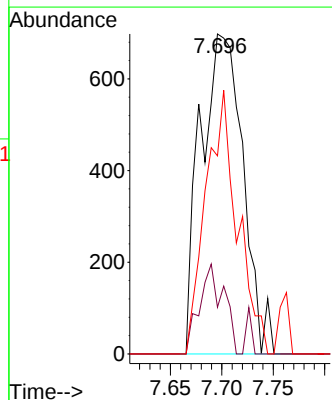
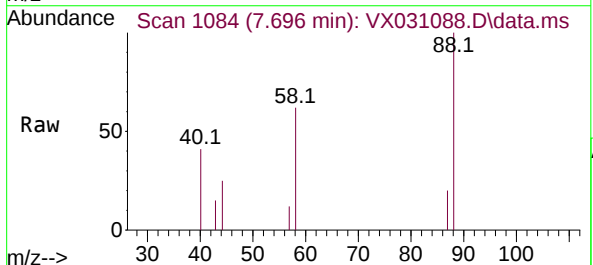
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

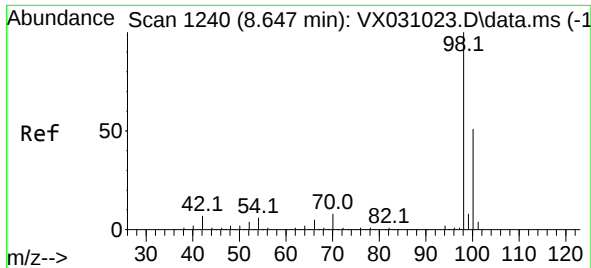
Tgt Ion: 41 Resp: 1168
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 91.1 44.6 66.8#



#49
1,4-Dioxane
Concen: 27.047 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.019 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 88 Resp: 2002
Ion Ratio Lower Upper
88 100
43 16.0 23.8 35.8#
58 61.5 53.8 80.6

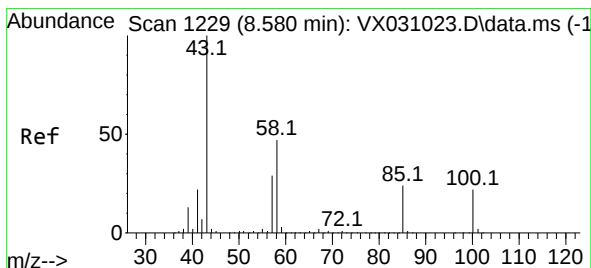
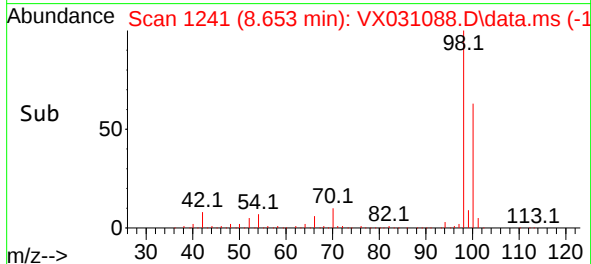
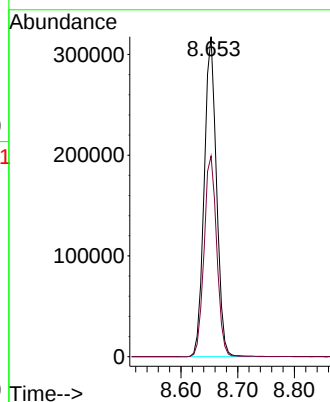
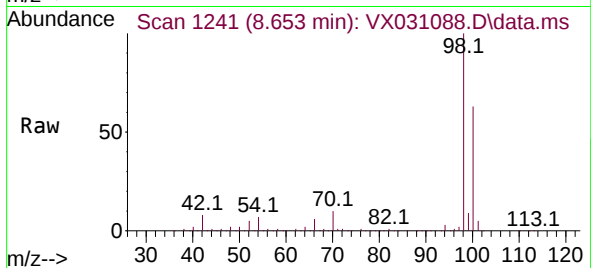




#50
Toluene-d8
Concen: 51.363 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

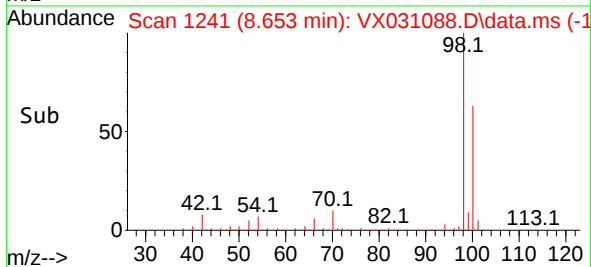
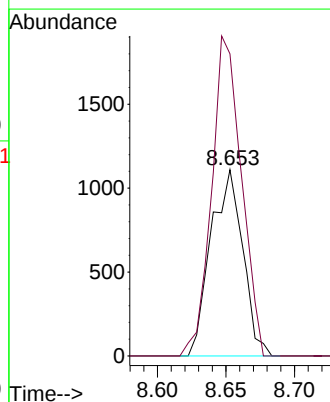
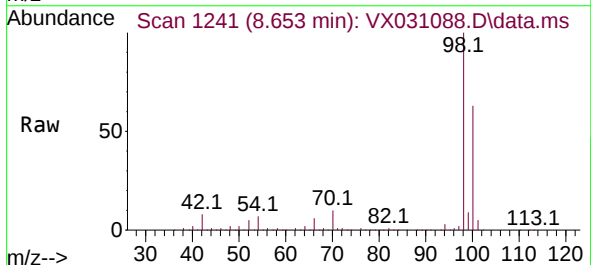
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

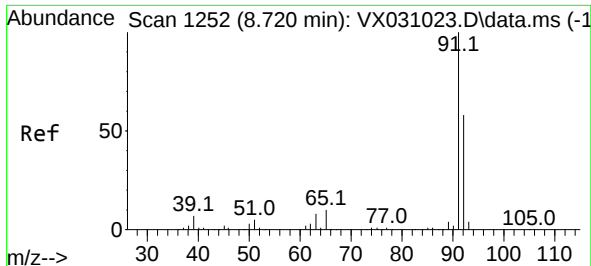
Tgt Ion: 98 Resp: 479077
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
58 160.9 31.4 47.2#

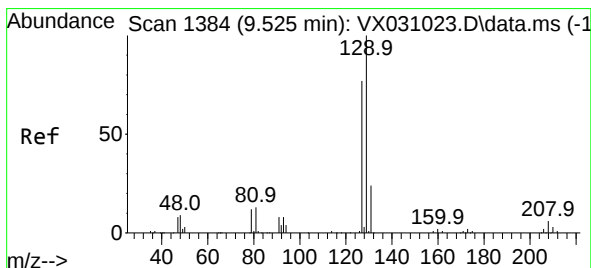
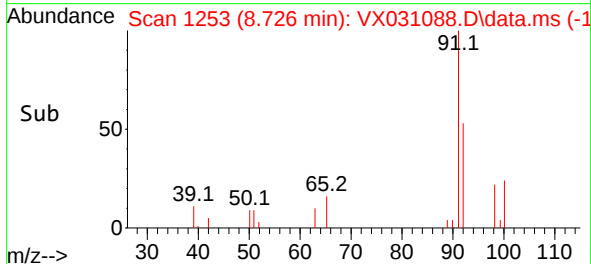
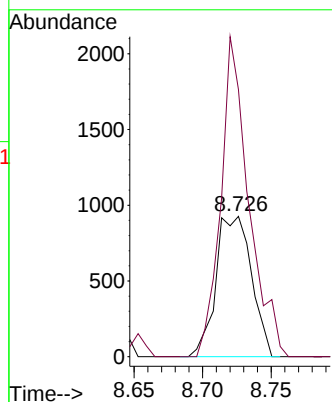
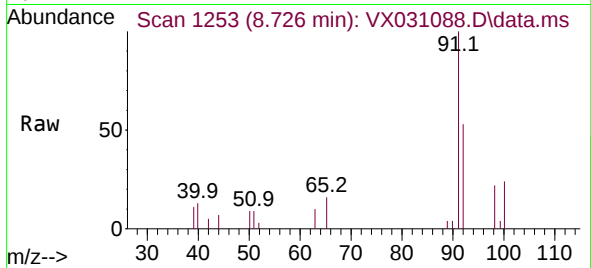




#52
Toluene
Concen: 0.253 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

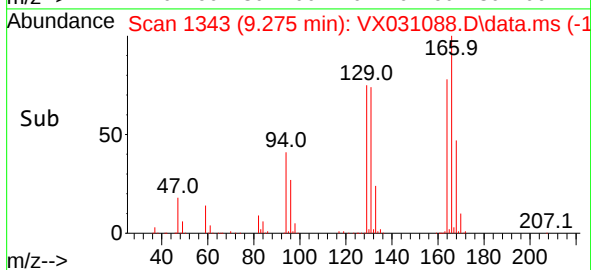
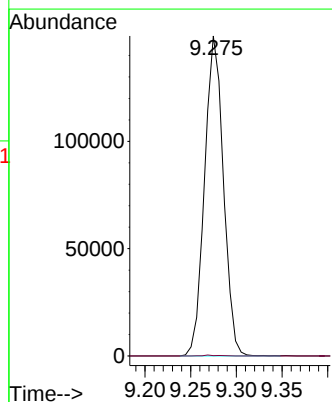
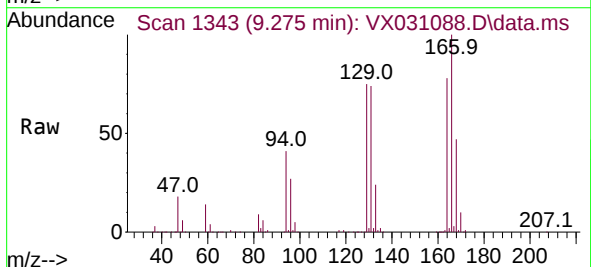
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

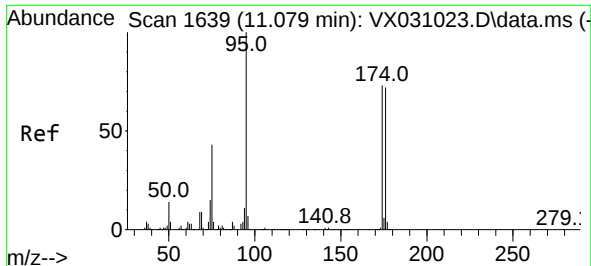
Tgt Ion: 92 Resp: 1675
Ion Ratio Lower Upper
92 100
91 179.3 139.2 208.8



#60
Dibromochloromethane
Concen: 73.184 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion:129 Resp: 213525
Ion Ratio Lower Upper
129 100
127 0.2 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 49.329 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX031088.D

Acq: 03 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20220823

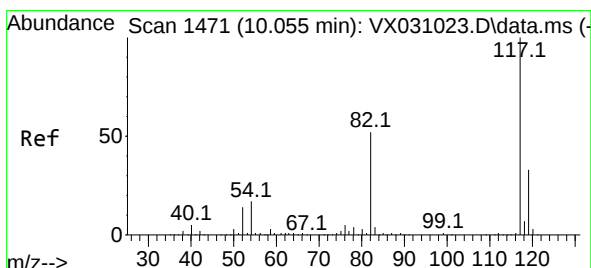
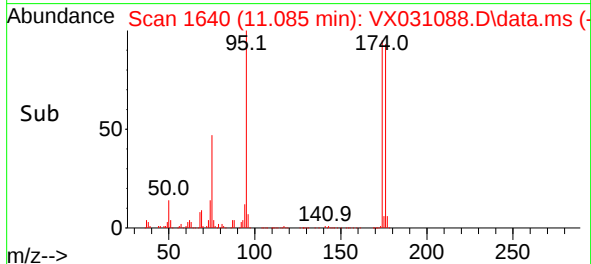
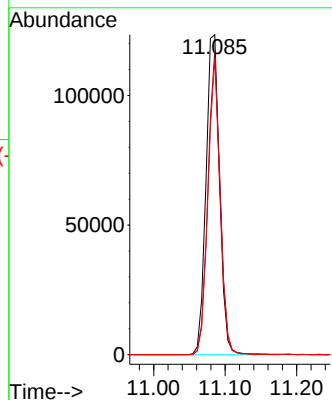
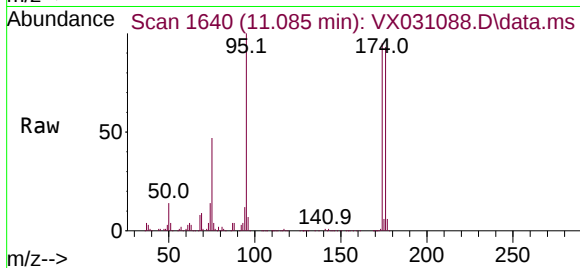
Tgt Ion: 95 Resp: 162507

Ion Ratio Lower Upper

95 100

174 86.1 0.0 149.0

176 83.4 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031088.D

Acq: 03 Sep 2022 17:27

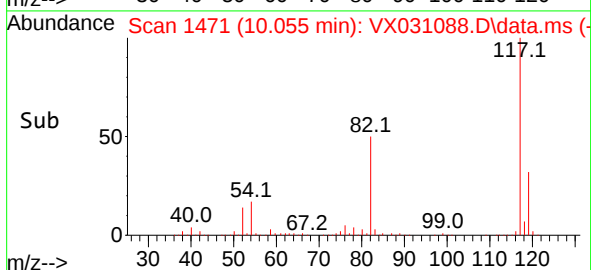
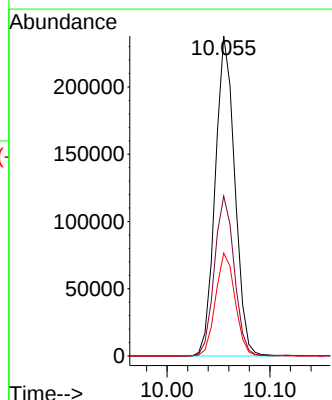
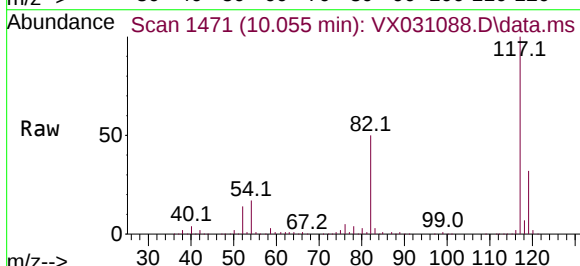
Tgt Ion: 117 Resp: 313834

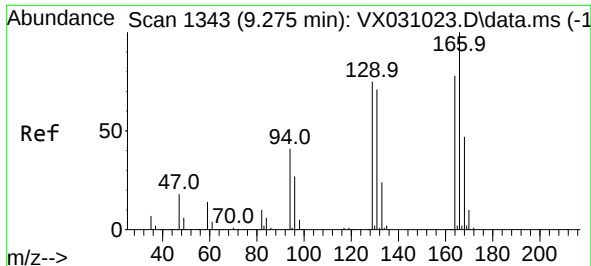
Ion Ratio Lower Upper

117 100

82 50.0 42.7 64.1

119 32.1 25.4 38.2

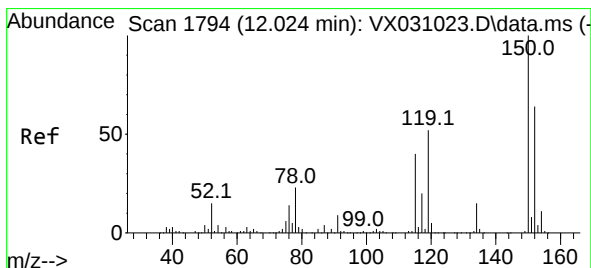
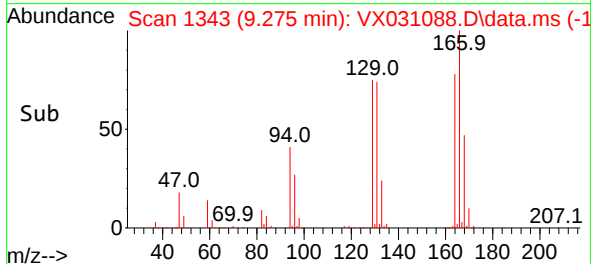
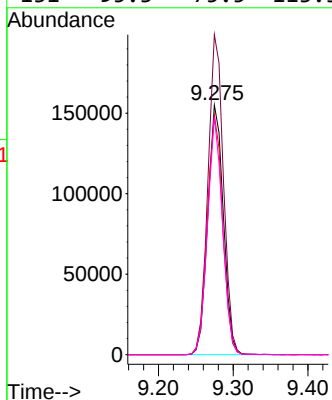
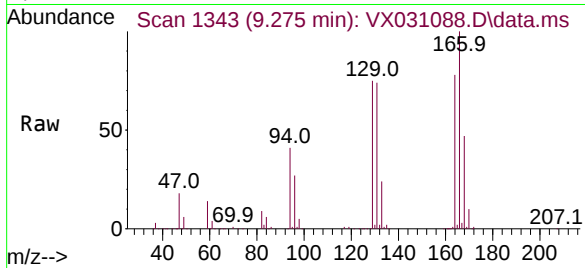




#64
Tetrachloroethene
Concen: 71.671 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

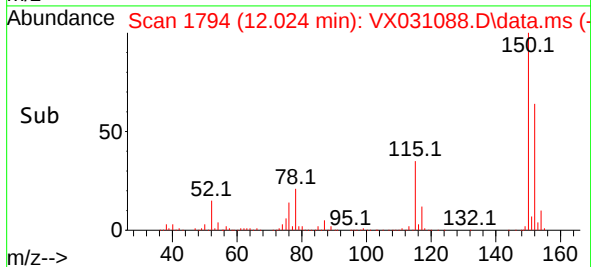
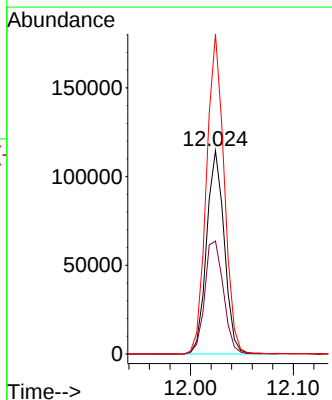
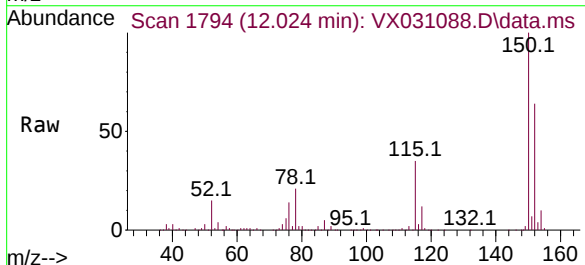
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

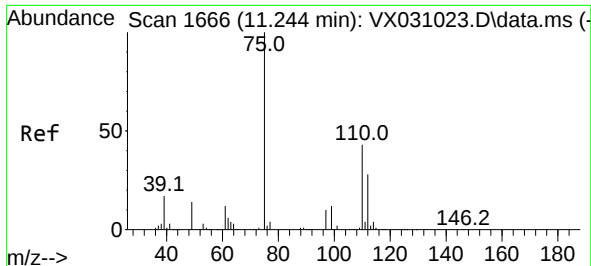
Tgt	Ion:164	Resp:	224581
Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.2	147.4
129	96.2	80.8	121.2
131	95.3	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion:152	Resp:	136908	
Ion	Ratio	Lower	Upper
152	100		
115	59.0	40.5	121.5
150	157.2	0.0	347.0

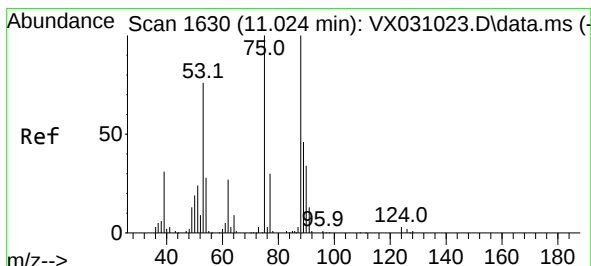
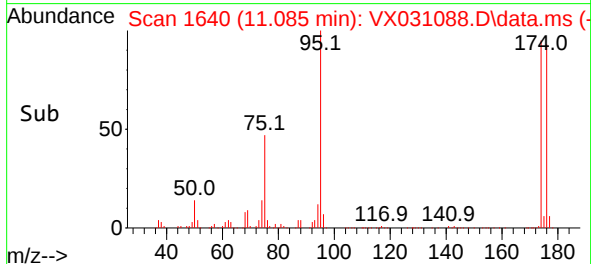
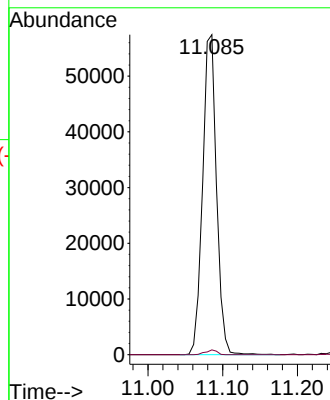
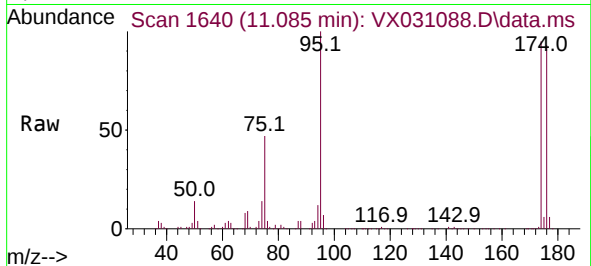




#76
1,2,3-Trichloropropane
Concen: 22.943 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220823

Tgt Ion: 75 Resp: 74252
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.103 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX031088.D
Acq: 03 Sep 2022 17:27

Tgt Ion: 75 Resp: 74252
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

